



Transportation Packaging Quick Facts

National Transportation Program



Cask: Model-2000 Transport Package

Manufacturer: General Electric (GE)

Certification: USA/9228/B(U)F Revision 10, July 9, 1996 (expires June 30, 1999)
SARP NEDO-31581, NEDO-32229 [high flux isotope reactor (HFIR) fuel basket and liner], and NEDO-3240 [material test reactor (MTR) and Training, Research, Isotope, General Atomic (TRIGA) fuels] transport packages

General Description:

Packaging Type: B

Gross Weight: 33,550 pounds (15,218 kilograms) maximum load

Capacity: 5,450 pounds (2,472 kilograms) maximum

Overall Dimensions: Length 131.5 inches (334 centimeters), Diameter 72 inches (182.9 centimeters)

Cavity Size: Length 54 inches (137.2 centimeters), Diameter 26.5 inches (67.3 centimeters)

Mode of Transport: Truck

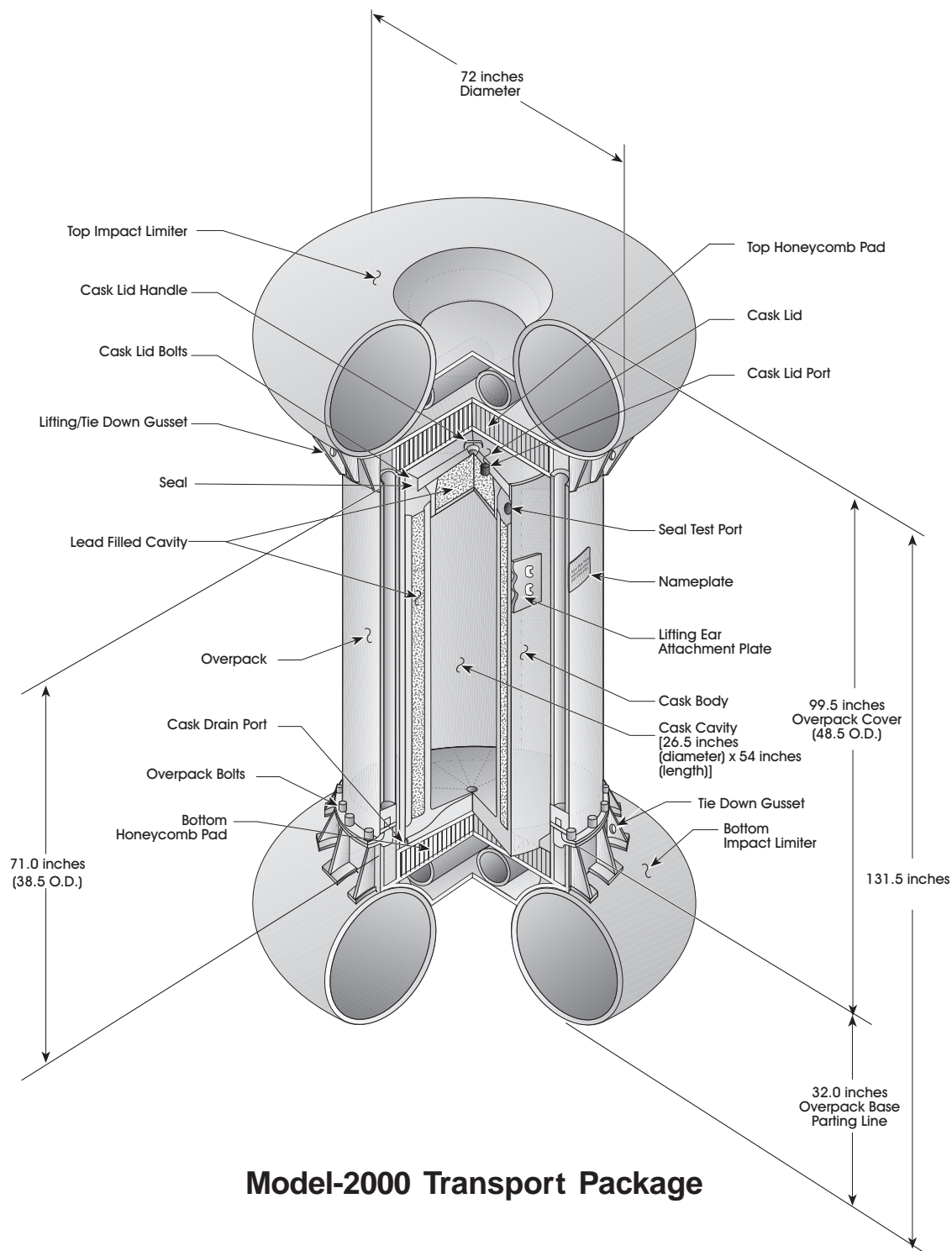
Use: The Model-2000 is a stainless steel transportation cask, lined with a lead shield. The Model-2000 was purchased for the offsite transfer of HFIR and other DOE and university research reactor waste, including irradiated fuel rods and byproduct, source, or special nuclear materials. The cask is used at Oak Ridge National Laboratory for shipments of HFIR. The S/N 2003 pictured above was the third Model-2000 cask designed and procured through GE, along with a liner and basket specially fabricated for shipping HFIR spent fuel to Savannah River, SC.

Frequency of Use: Twice a month

Loading Process: Top loading, gasket-sealed loading plug with vent, leak test, and drain ports

Owner: Research Reactors Division
Oak Ridge National Laboratory
Oak Ridge, TN





Model-2000 Transport Package

Additional information on DOE's National Transportation Program may be obtained from:

National Transportation Program
U.S. Department of Energy
Albuquerque Operations Office
P.O. Box 5400, MS SC-5
Albuquerque, NM 87185-5400

Phone : 505-845-6134
Fax: 505-845-5508

Website:
<http://www.ntp.doe.gov/>

DOE Center for Environmental
Management Information
P.O. Box 23769
Washington, DC 20026-3769

1-800-7EM-DATA
1-800-736-3282

Website:
<http://www.em.doe.gov/>

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